- -Mixture design: art of arriving at optimum combination/kcorrect proportion of components

 • Formulation associated with "recipe".

 • Started with pharmacy
- - Skills associated with development and execution of recipes have grown into an independent discipline
- In other fields of chemistry, particularly industrial chemistry, formulations are amongst a company's most closely guarded trade secrets on account of their often considerable economic value.
- Formulation technology established in the areas of coatings, cosmetics and food

Formulation chemistry: Definition

- Formulation chemistry deals with uk
- co-existence of several components in a mixture
- and the combined and simultaneous activity of individual components.
- It is basically a science of mixtures coexisting without real chemical reactions
- Definition:
- Formulation chemistry is the branch of manufacturing that addresses substances that do not react with each other, but have desirable properties as a mixture to suit a particular application/use

- A sustained release formulation is an example for this.
- For example the active component (drug) in a capsule or tablet is released slowly inconstained manner by other ingredients Notes 26 present from 26 formulation

- Formulations are hyperactive (synergistic) compared to its individual components for a particular action or application, and this is the basic motivation for the design and development of a formulation.
 - SYNEGY: 1+1 > 2
 - Two or more components in a formulation simultaneously in a synergetic fashion
 - i.e. higher degree of effectiveness than its individual components for a particular action or application

Formulation methodology

- Initial needs analysis sale.co.uk
 Draft formula a Notesale.co.uk
- Draft formula development that considers
 - Pare Material Stailability
 - cost along
 - production options to ensure product is produced in the most effective and efficient manner.
- Test batch production and evaluation to allow proof of product and market testing
- Scaled-up production